20090702154001

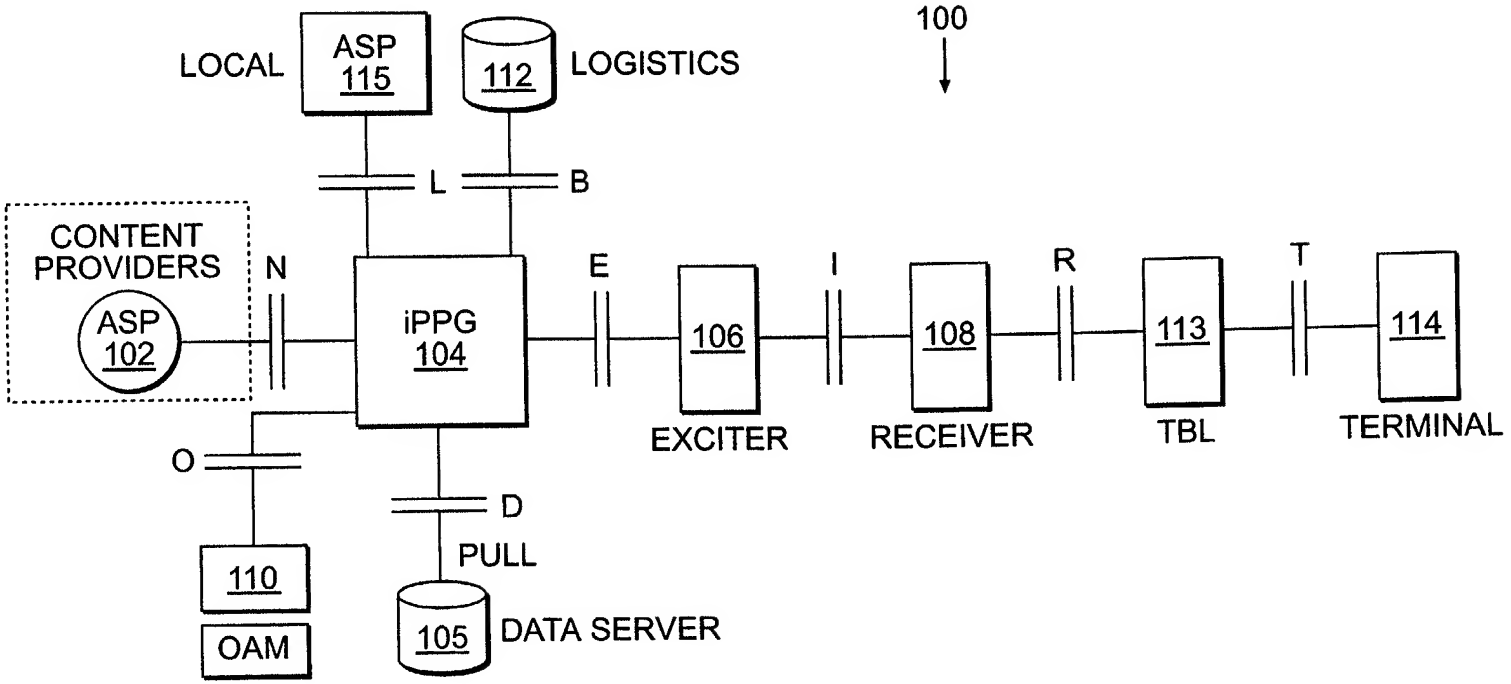

FIG. 1

20090 "02T5A01T

	ENTITY	INTERFACE REFERENCE	PHYSICAL INTERFACE	NETWORK INTERFACE
102	ASP - iPPG	N (NETWORK)	POTS/ISP (DEFAULT)	TCP/IP (DEFAULT)
106	iPPG - EXCITER	E (EXCITER)	1) STL (DEFAULT) 2) POTS 3) OTHER LOOP ACCESS WIRELESS, LMDS, SATELLITE	PPP OR SLIP
112	iPPG - LOG (CDR)	B (BILLING)	ETHERNET	RESIDENT AT STATION OR RESIDENT AT REMOTE
105	iPPG - DATA SERVER	D	POTS (DEFAULT)	PPP
110	iPPG - OAM	O (OAM)	ETHERNET	SNMP - MIBx
108	EXCITER - RECEIVER	I	iDAB	NA
113	RECEIVER - TBL	R (RECEIVER)	PROPRIETARY	NA
114	TBL - TERMINAL	T (TERMINAL)	ONE-ON-ONE	CUSTOM API
115	ASP - LOCAL	L	OFF-LINE: R/W FLOPPY/CDS ON-LINE: POTS	OFF-LINE: NONE ON-LINE: TCP/IP DEFAULT OTHERS: PPP, SLIP, etc.

TABLE 1

FIG. 2

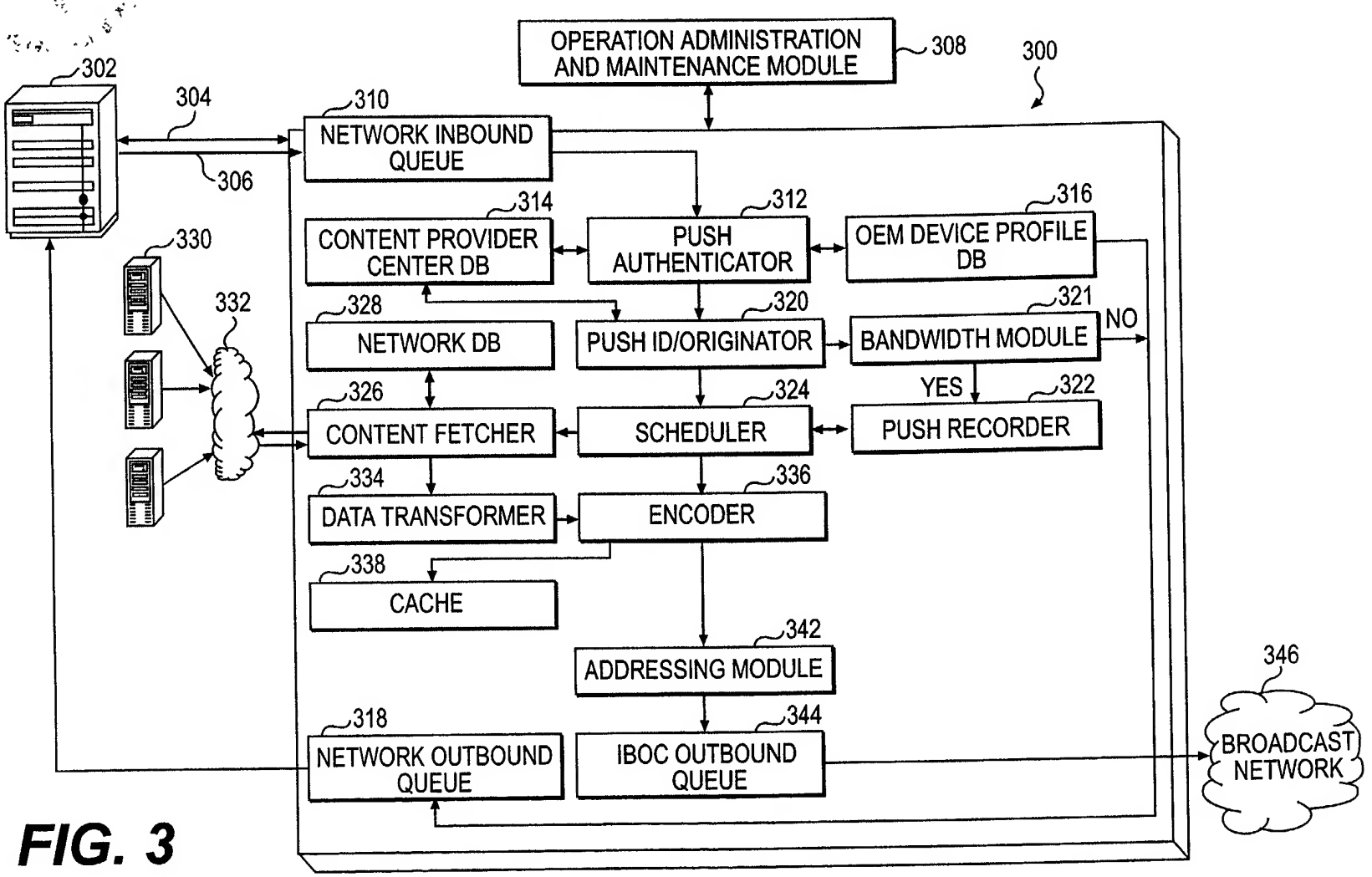
OPERATION ADMINISTRATION AND MAINTENANCE MODULE
308
300
302
304
306
310
NETWORK INBOUND QUEUE
314
CONTENT PROVIDER CENTER DB
312
PUSH AUTHENTICATOR
316
OEM DEVICE PROFILE DB
330
332
328
NETWORK DB
320
PUSH ID/ORIGINATOR
321
BANDWIDTH MODULE
NO
YES
322
PUSH RECORDER
326
CONTENT FETCHER
324
SCHEDULER
334
DATA TRANSFORMER
336
ENCODER
338
CACHE
342
ADDRESSING MODULE
346
BROADCAST NETWORK
318
NETWORK OUTBOUND QUEUE
344
IBOC OUTBOUND QUEUE

FIG. 3

20090702154001

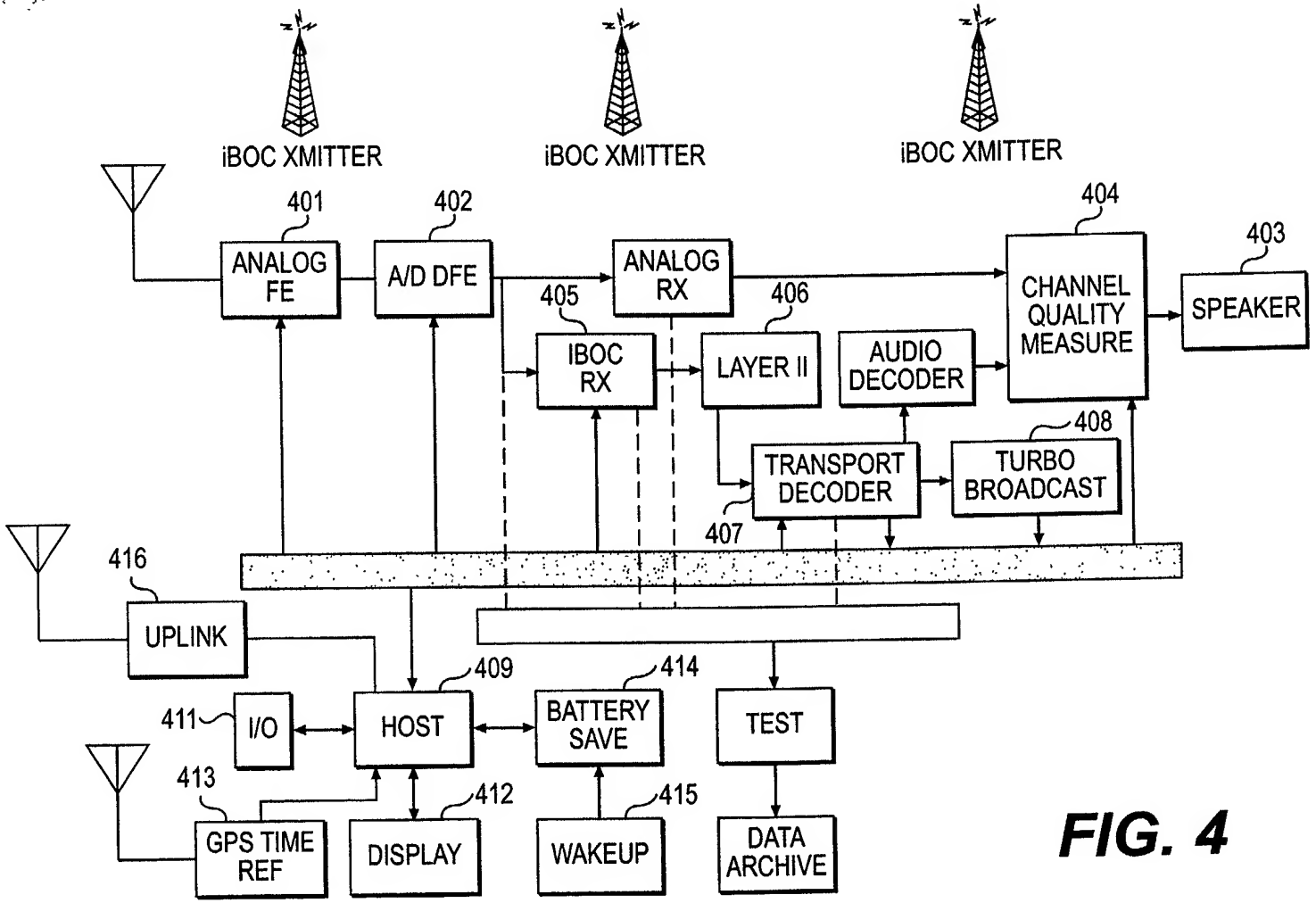

FIG. 4

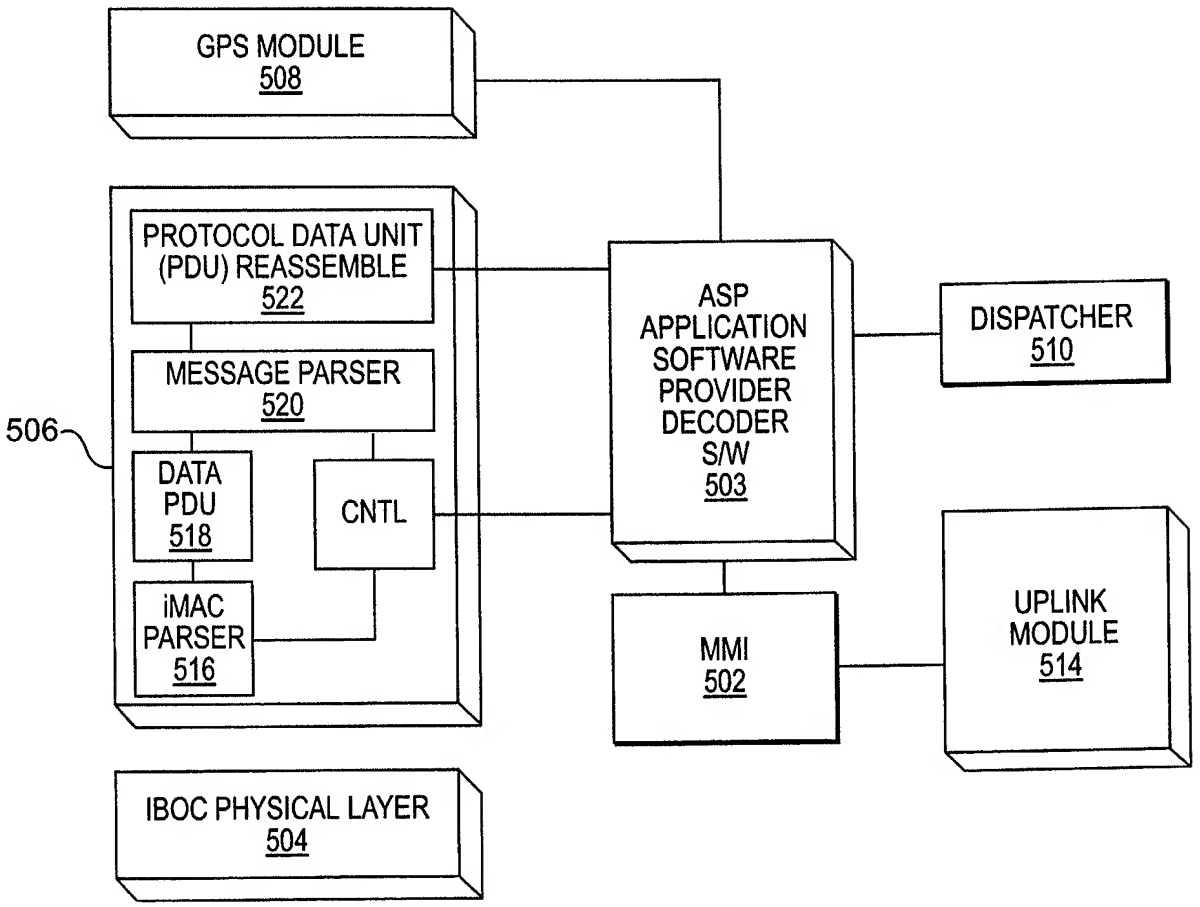
GPS MODULE
508
PROTOCOL DATA UNIT (PDU) REASSEMBLE
522
MESSAGE PARSER
520
506
DATA PDU
518
CNTL
iMAC PARSER
516
IBOC PHYSICAL LAYER
504
ASP APPLICATION SOFTWARE PROVIDER DECODER S/W
503
DISPATCHER
510
MMI
502
UPLINK MODULE
514

FIG. 5

20090102S4001

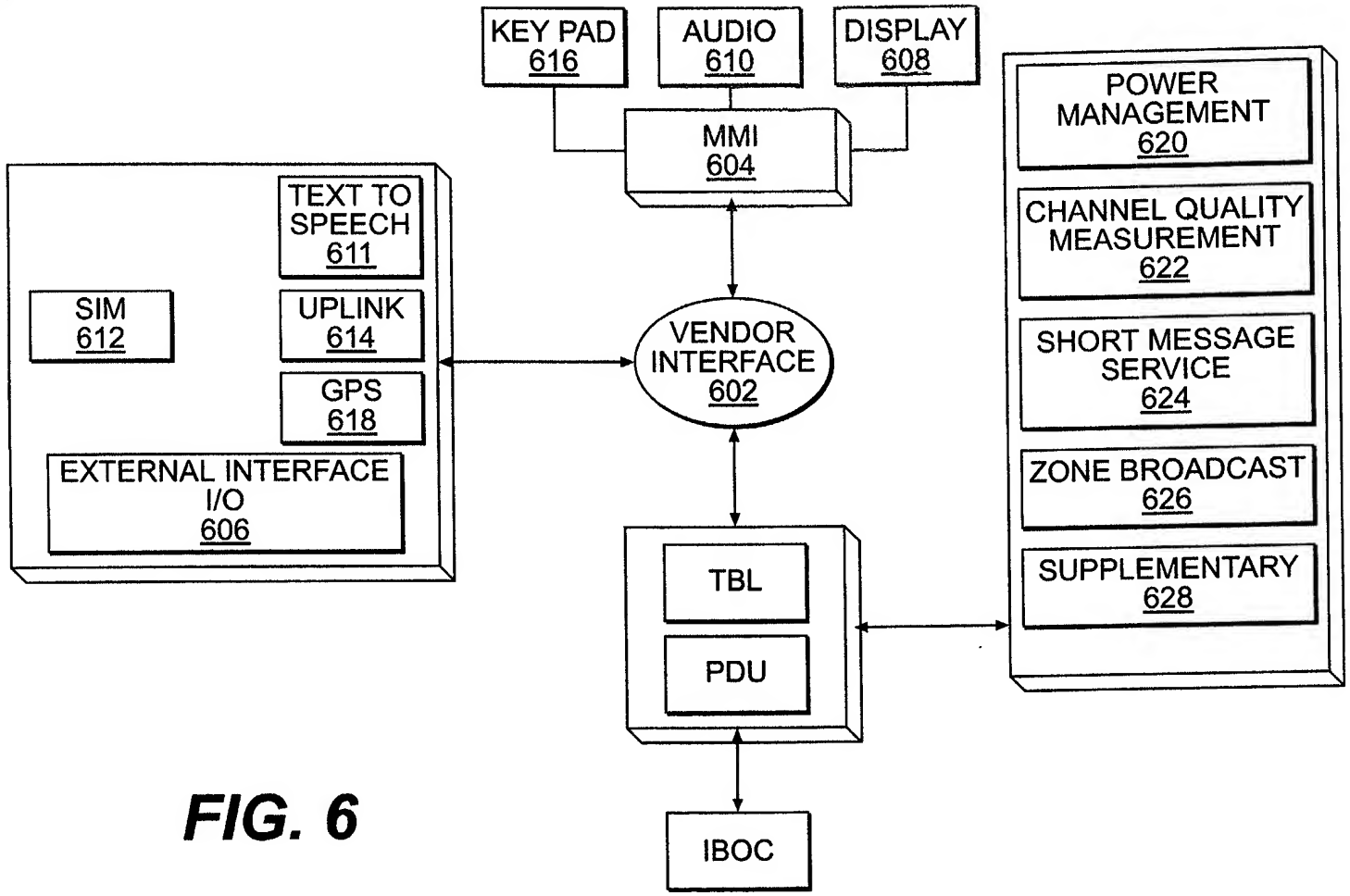

FIG. 6

20h090 * 02Sh00t

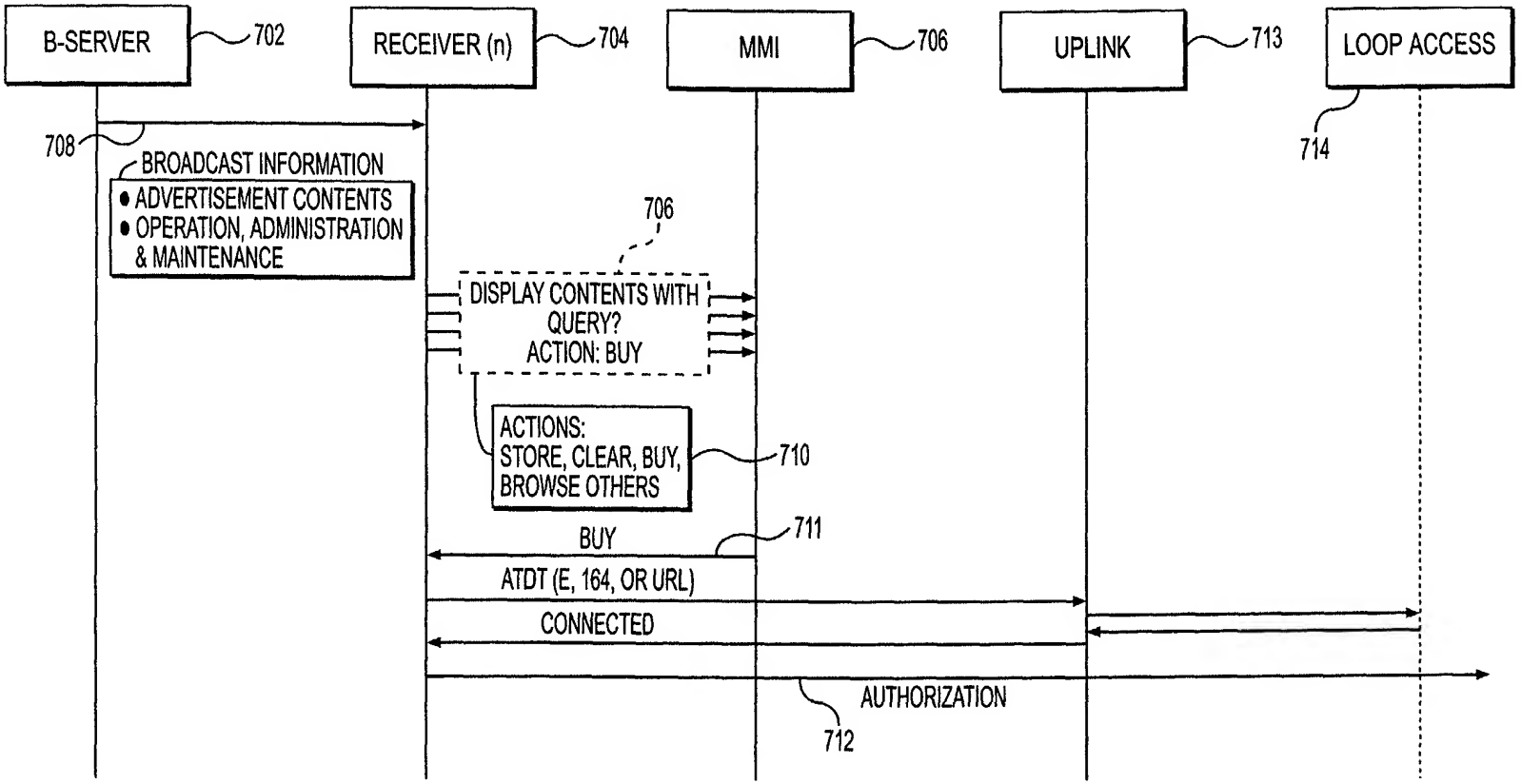

FIG. 7

20+090 " 02154.01

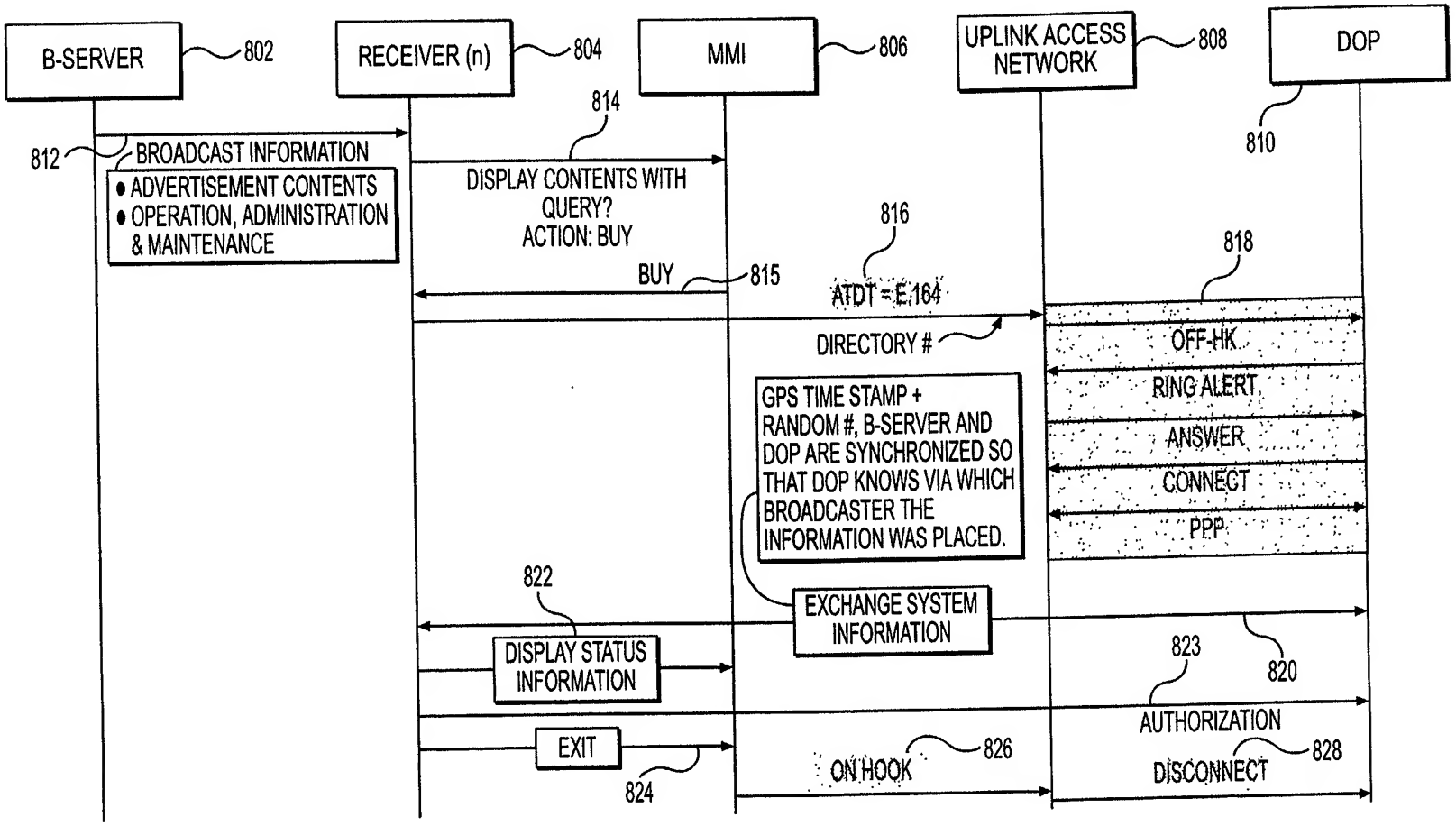

FIG. 8

20090027504

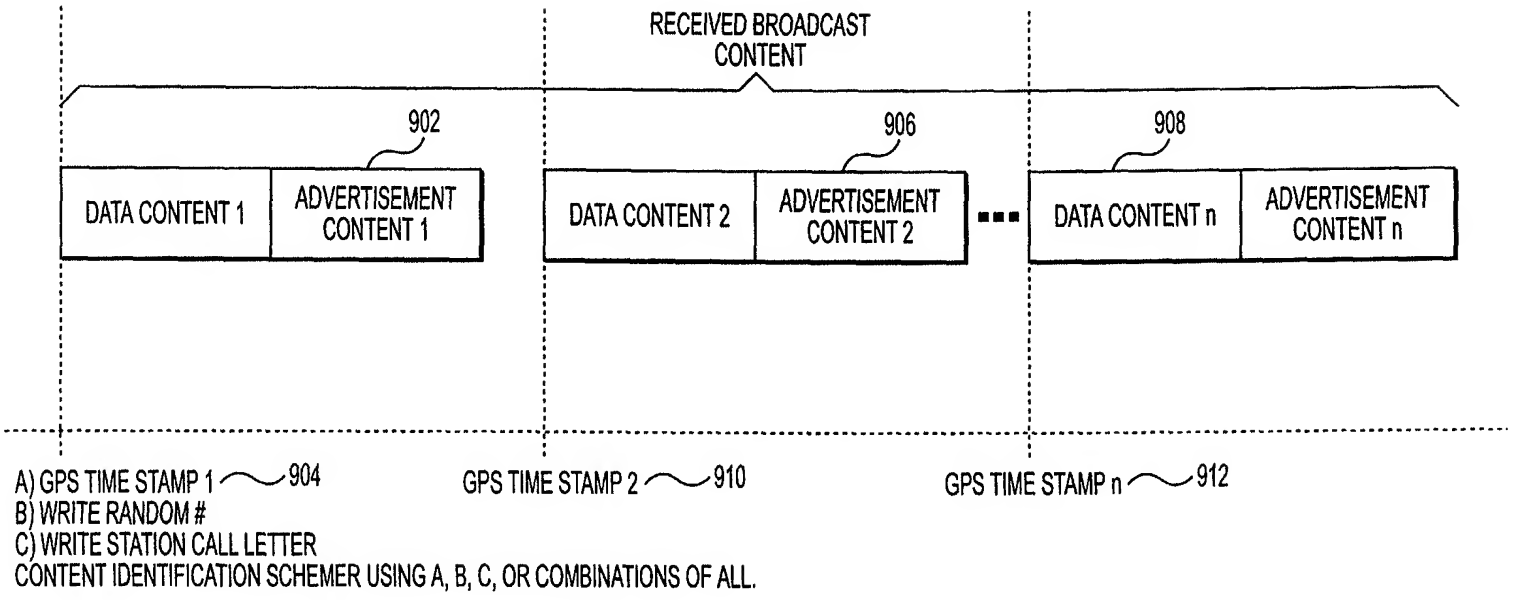

FIG. 9

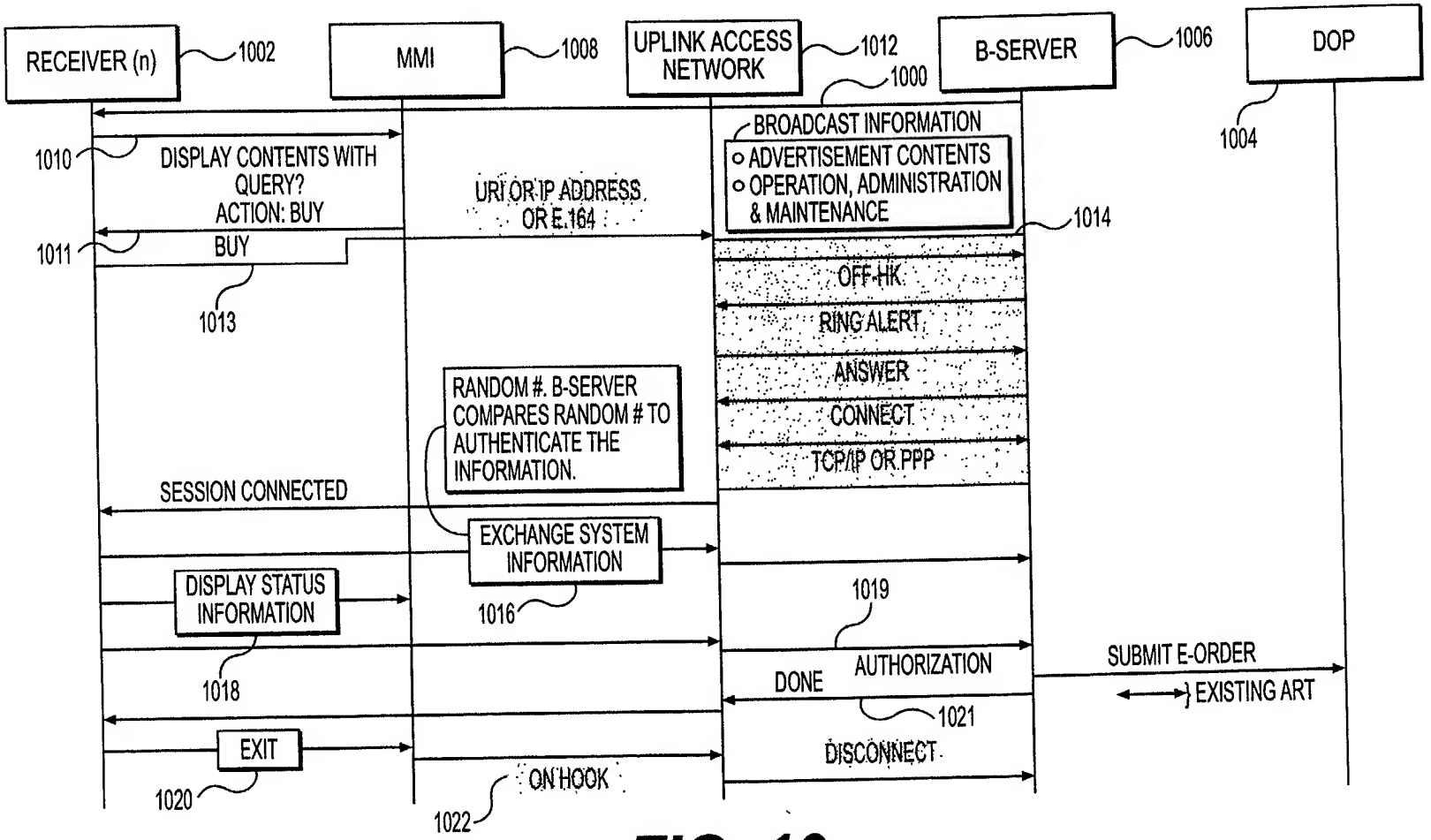
RECEIVER (n)
1002
MMI
1008
UPLINK ACCESS NETWORK
1012
1000
B-SERVER
1006
DOP
1004
BROADCAST INFORMATION
ADVERTISEMENT CONTENTS
OPERATION, ADMINISTRATION & MAINTENANCE
1014
1010
DISPLAY CONTENTS WITH QUERY? ACTION: BUY
URI OR IP ADDRESS OR E.164
1011
BUY
1013
OFF-HK
RING ALERT
ANSWER
CONNECT
TCP/IP OR PPP
RANDOM #. B-SERVER COMPARES RANDOM # TO AUTHENTICATE THE INFORMATION.
SESSION CONNECTED
EXCHANGE SYSTEM INFORMATION
1016
DISPLAY STATUS INFORMATION
1019
1018
AUTHORIZATION
DONE
SUBMIT E-ORDER
EXISTING ART
1021
EXIT
DISCONNECT
1020
ON HOOK
1022

FIG. 10

20040907.021504001

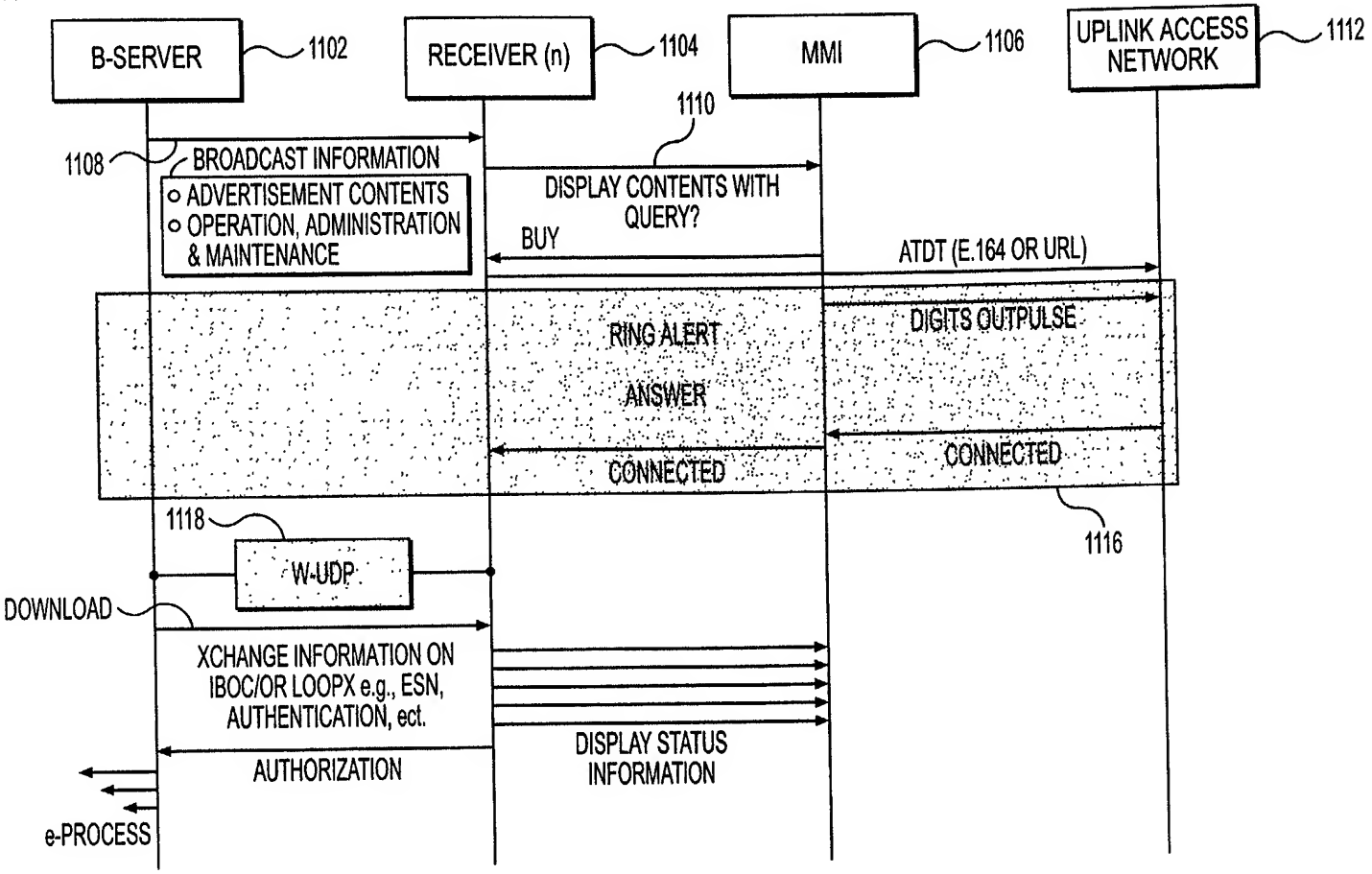

FIG. 11